

Küttner, K., Huber, G., and Jaques, R.  
STUDIES ON ION EXCHANGE MODELS FOR  
UNDERSTANDING THE PHYSIOLOGY OF BIOGENIC  
AMINES: EXCHANGE BALANCES BETWEEN SODIUM  
AND AMINES ON AN ION EXCHANGER WITH

R-P<sub>2</sub>(OH)<sub>2</sub> (Untersuchungen an Ionenaustauschmodellen  
zum Verständnis der Physiologie Biogener Amine:  
Austauschgleichgewichte Zwischen Natrium und Aminen  
an Einem Ionenaustauscher mit

R-P<sub>2</sub>(OH)<sub>2</sub> als aktive  
Zentren). [Feb 62] [5]p, 18 refs.  
Order from SLA \$1.10

63-18796

Trans. of Experientia (Switzerland) 1961, v. 17,  
15 Nov, p. 495-496.

(Biological Sciences--Physiology, TT, v. 10, no. 11)  
(over)

63-18796

I. Küttner, K.  
II. Huber, G.  
III. Jaques, R.  
IV. Title: Exchange...

23400

Office of Technical Services

Kuttruff, H.  
ARTIFICIAL REVERBERATION. Presented at the convention of the NTG "100 Jahre Elektroakustik", Frankfurt, 26-28 Oct 61. [1962] 23p. 9 refs.  
Order from SLA \$2.60 62-18840

Trans. of Frequenz (Germany) 1962, v. 16, no. 3,  
p. 91-96.

DESCRIPTORS: \*Acoustic equipment, Acoustical properties, Vibration, Production, Electronic equipment, Circuits, Feedback, Magnetic tape.

(Physics--Acoustics, TT, v. 9, no. 10)

62-18840

I. Kuttruff, H.  
II. Title: NTG...

Office of Technical Services

Kuttruff, H.  
PROPERTIES AND ANALYSIS OF REVERBERATION  
CURVES. [1961] 11p. 9 refs.  
Order from SLA \$1.60

61-20535

Trans. of Acustica (Switzerland) 1958, v. 8,  
p. 273-280.  
Another trans. is available from ATS \$14.80 as  
ATS-90NS2G [1961] 11p.

DESCRIPTORS: Vibration, \*Sound transmission,  
Acoustics, \*Reverberation.

An exposition of reverberation phenomena in enclosed  
spaces is given and hence the characteristic bending of  
reverberation curves is predicted. The slope at the  
commencement of such a curve is shown to be pro-  
portional to the weighted arithmetic mean of the  
damping factors of all the relevant natural vibrations.  
(Physica--Acoustics, TT, v. 7, no. 1) (over)

61-20535

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<p>Kuttruff, H. PROPERTIES AND ANALYSIS OF REVERBERATION CURVES [Eigenschaften und Auswertung von Nachhallkurven]. [1961] 11p. Order from ATS \$14.80</p> <p>ATS-90N52G Trans. of [Akustische Beihefte] (Switzerland) 1958 (no. 1) p. 273-280.</p> <p>DESCRIPTORS: Vibration, *Sound transmission, acoustics, *Reverberation.</p> <p>(Physica--Acoustics, TT, v. 7, no. 1)</p>	<p>61-25369</p> <p>I. Kuttruff, H. II. ATS-90N52G III. Associated Technical Services, Inc., East Orange, N. J.</p> <p>184294</p> <p>Office of Technical Services</p>
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Reflecting Properties of Broken Ceilings (model studies on the Reflector Arrangement of the New Philharmonic Hall in New York), by E. Meyer,  
E. Kuttner, 6 pp.

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<sup>1c</sup>  
Navy 3592/USRL 3\*

Sci - Eng  
Set 63

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Artificial Reverberation, by H. Kuttruff.  
GERMAN, per, Frequenz, Vol 16, No 3, 1962,  
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H. KUTTRUFF

Sci -  
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The Loss or Waste of Petroleum Side Gases and Their Efficient Utilisation, by A. I. Kutukov.

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Sci - Fuels

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Circuits With Direct Coupling, by L. V. Kutukov,  
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1962, pp J-39. 9689151

PTD-TT-62-1869

Sci. & Elec  
Dec 63

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A Study of the Explosive Showers Produced by  
High-Energy Cosmic Rays, by V. V. Alpers, I. I.  
Gurevich, V. M. Kutukova, A. P. Mishakova, B. A.  
Nikol'skiy, L. V. Surkova, 3 pp.

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Vol. CXII, No 1, 1957, pp 33-36.

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Vol II, No 1

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Asymmetry in the Angular Distribution of  $\mu^+ \rightarrow e^+$   
Decay Electrons Observed in Photographic Emulsions,  
by I. I. Gurevich, V. M. Kutukova, A. P. Mishakova,  
B. A. Nikol'skiy, L. V. Sorkova, 3 pp.

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No 2, 1958, pp 280-285.

Amer Inst of Phys  
Sov Phys - JETP  
Vol VII (34), No 2

Sci - Physics

Oct 58

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Angular Distribution of Fragments in Uranium<sup>238</sup>  
Fission Induced by Neutrons of Various Energies,  
by A. A. Varfolomeyev, A. S. Romantsova, V. M.  
Kutukova, 3 pp.

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A. A. Varfolomeyev

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Scientific - Physics

Mar 56 CTS/DEX

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Emerald Mines (Of the Urals), by K. A. Vlasov,  
Ye. I. Kutukova, 103 pp.

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80-82, 111-154, 197-215.

JPRS 5979

Sci - Min/Metals

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Activities of the Central Pharmaceutical  
Scientific Research Institute in 1957 and 1958,  
by E. N. Kuturova, Yu. M. Shilov, 7 pp. UNCL

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Parallel High-Speed Memory Device Using  
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Language Sv Bu

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Determining Ephemerides of Man-Made Earth  
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FID-TP-63-545

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F. Kirtchikina, 3 pp.

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Passage of Fast Neutrons Through Lead and Iron,  
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Structure of the Periphery of Extensive Atmospheric  
Cosmic Ray Showers, by Yu. N. Antonov, Yu. N. Vavilov  
G. T. Zatsepin, A. A. Khituzov, Yu. V. Skvortsov,  
G. B. Kristiansen, 14 pp.

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285 Columbus Ave.  
Boston 16, Mass.

Per Memo: NSF  
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Cosmonaut Number Two, by T. Kutuzova, 15 pp.

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FID-ST-61-8

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STUDY OF THE AGEING OF PAINT COATINGS BY  
MEASURING THEIR OHMIC RESISTANCE. Sep 63.  
Order from TTIS \$15.00 TTIS NS 128

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(USSR) 1963, no. 1, p. 52-54.

EDITORS: Resistance (Electrical), Measuring  
devices (Electrical and electronic), \*Coatings, \*Paints,  
Aging (Materials)

(Materials--Finishes, TT, v. 10, no. 12)

63-22764

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II. TTIS NS-128  
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An Electrical Method of Investigating Paint and  
Lacquer Coatings, by G. I. Kutyannin, 3 pp.

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The Relationship Between Wear Resistance and  
Heat Resistance of Leather, by G. I.  
Kotyanin, K. G. Karimov, 4 pp.

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Thermal Stability of Collagen in the Dry State,  
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On the Question of the Wearing Quality of Sole  
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2 pp.

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Microcrystalline Reactions in Melts, by I. M.  
Korenman, V. P. Kut'yin, 4 pp.

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Jun 59

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Caused by HV Apparatus, by W.J. Kutylo,  
J. Radzwill, et al., 16 pp.  
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Vol. 14, no. 48, 1966, pp. 67-82  
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w j. Kutylo

Some Data of Visual Observations of Mars in 1956,  
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ACSI, R-4944, C

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Quantitative Determination of Ytterbium in the  
Presence of Large Amounts of Erbium by Oscillo-  
graphic Polarography, by Ya. P. Gokhshtein, G. A.  
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RUSSIAN, per, Zhur Anal Khim, Vol XIV, No 6,  
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Isotopic Composition of Photosynthetic Oxygen,  
by A. P. Vinogradov, V. M. Kutyurin, M. V.  
Ulubekova, I. K. Zadorezhny,

RUSSIAN, per, Ak Nauk SSSR, Dok, Vol CXXV,  
No 5, 1959, pp 1151-1153.

CIA 9047191

Mar 60

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Method of Extracting Chlorophyll from Plants  
By V.M. Kutyurin, M.V. Ulubekova, pp 5

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1962, pp 115-119

AIBS

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Oct 63

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Study of the Conditions and Mechanism for the  
Synthesis of Phosphorylcholine, Containing  
 $\gamma^2$  p<sup>32</sup>, by A. B. Silayev, An. N.  
Nezameyanov, and V. M. Kutyurin, 4 pp.

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Sep 58

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Oct. 61

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The Isotopic Constitution of Oxygen in Photo-synthesis, by A. P. Vinogradov, V. M. Kutyurin, M. V. Ulubekova and I. K. Zadorozhnyy, 3 pp.

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V. N. Kutyrkin, M. V. Ulubekova, 3 pp.

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No 6, 1960, pp 1486-1489.

AIBS

Sci

May 61

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Isotope Exchange of Hydrogen Atoms of  
Chlorophyll, by V. M. Kutyurin,  
A. V. Maryakin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol C<sup>X</sup>LI,  
No 3, 1961, pp 744-747.

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Chlorophyll in Photosynthesis, by V.M. Kutyurin, 6 pp.

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pp 133-140.

Amer Inst of Biol Sci

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WATER CONTENT IN CHLOROPHYLL a AND b.  
[1963] [5] p. 14 refs.  
Order from OTS or SLA \$1.10

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Trans. of Akad[emy] Nauk SSSR. Doklady, 1963,  
v. 149 [no. 2] p. 456-459.

DESCRIPTORS: Water, \*Chlorophylla, Biosynthesis,  
Chemical analysis, \*Organic pigments

63-18601

I. Kutyrin, V. M.  
II. Knyazev, V. P.

Office of Technical Services

(Biological Sciences--Biochemistry, TT, v. 10, no. 11)

Restoration of Chlorophyll Molecules in Leaves, by  
V. M. Kutyurin, 4 pp.

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MOLECULE, BY A. V. KARYAKIN, V. M. KUTYUTIN,  
3PP.

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(NY-5100)

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OF OPERATIONAL PLANNING, BY G. M. KUTYTEV, 18  
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1962, PP 26-29.

JPRS 13867

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Lutz, O.  
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(Eng. edition) 1 ref.  
Order from SLA \$1.30

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pp. \$3.60.

DESCRIPTORS: Heat transfer, Bodies of revolution,  
Temperature, Surface temperatures, Geometric forms.

(Physics - Thermodynamics, TT, v. 10, no. 9)

63-16034

I. Lutz, O.

1149646

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JPRS 11170

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SEUR - Germany  
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Capable of Transverse and Angular Displacement, by  
Karl Kutzback, 11 p.

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1937, Vol LXXXI, No 30, pp 889-892.

SLA 59-17838

Serial  
Pub 60  
Vol 2, No 10

108,889

Kurzeligg, A.  
INVESTIGATIONS CONCERNING OXIDATION  
CATALYSIS. Communication 3. [1963] 7p. 20 refs.  
Order from SLA \$1.10

63-14124

Transl. of Monatshefte für Chemie (Austria) 1936,  
v. 67, p. 241-247.

DESCRIPTORS: \*Oxidation, \*Catalysis, \*Oxides,  
\*Chromium compounds, Iron compounds, Copper com-  
pounds, Potassium compounds, Cyanides, Reaction  
kinetics, Chemical reactions, \*Catalysts.

It was attempted to trace the activity of the chrome  
oxide as oxidation catalyst in various temperature  
ranges to a common cause. Besides chrome oxide,  
ironoxide and copper oxide at a specific preparation  
temperature also show a maximum of activity in re-  
gard to oxidation of ferrocyanide. This phenomenon is  
connected with the removal of adsorbed H<sub>2</sub>O films from  
(Chemistry--Physical, TT, v. 10, no. 3) (over)

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I. Kurzeligg, A.

A242668

Office of Technical Services

The "D" Chromium Plating Process, by A. Kutzelnigg,

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Scientific - Mip/Metal - May 55 CTS

Determination and Importance of Forces in Electro-plating, by A. Kutzelnigg, 8 pp.

GERMAN, per, Technische Rundschau und Allgemeine Industrie- und Handelszeitung, No 52, 1959, pp 25-27.

AMC-79841G

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Vol IV, No 7  
Aug 62

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Comparison Between the Result of Weathering in an  
Industrial Atmosphere and Short-Term Trials  
in Atmospheres Containing Sulphur Dioxide, by  
A. Hitzelbuech.

GERMAN, per, Werkstoffe und Korrosion, Vol IX,  
No 7, 1958, pp 429-434.

RIDI 3160

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Sci - Geophys  
May 63

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Full translation.

GERMAN, per, Metalloberfläche, Vol IIIB, No 8,  
Aug 1951, pp B113-B115.

TPAS/TIB Tr No T-4085

Scientific - Minerals/Metals  
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FLUORESCENCE OF ZINC OXIDE-IRON OXIDE MIXTURES AND ITS DEPENDENCE ON THE TEMPERATURE OF HEAT TREATMENT (Die Fluoreszenz von Zinkoxyd-Eisenoxyd-Mischpräparaten und ihre Abhängigkeit von der Temperatur der Wärmebehandlung) [1963] [6]p (foreign text included) Srefs  
Order from SLA \$1.10

TT-63-16757

Trans. of Z[editschrift für] Anorganische [und] Allgemeine Chemie (Germany) 1935, v. 223, p. 251-252.

DESCRIPTORS: Heat treatment, Temperature, Mixtures, Oxides, Iron compounds, Zinc compounds, \*Fluorescence,

(Chemistry-Inorganic, TT, v. 11, no. 1)

TT-63-16757

I. Kutzelnigg, A.

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The Structure and Oscillating Spectrum of Urea  
Cation in Normal and Abnormal Salts, by  
W. Kutzelnigg.

GERMAN, per, Chemische Berichte, Vol 94, No 7,  
1961, pp 1706-1716.

ACSI J-6851

SP600-57-23-849-68

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Infrared Spectroscopic Investigation of Isocyan-  
ion Compounds of Urea and Thiourea, by R. Wecke,  
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Vol 170, No 1, 1959, pp 114-120.  
ACGI J-31053  
ID 200000000007

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Feb 48

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SPECTROSCOPIC INVESTIGATION OF ORGANIC  
IONS. PT. V. THE STRUCTURE OF SALTS OF  
ACETAMIDE (Spektroskopische Untersuchungen an  
Organischen Ionen. V. Die Struktur der Salze des  
Acetamids). 12 Nov 62 [33]p. (foreign text included)  
39 refs.

Order from SLA \$3.60

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Trans. of Spectrochimica Acta (Gt. Brit.) 1962, v. 18,  
p. 549-560.

DESCRIPTORS: \*Acetamides, Salts, \*Complex com-  
pounds, Molecular structure, Determination, Gases,  
Solutions, Crystals, Spectra (Infrared), \*Platinum  
compounds, \*Mercury compounds, Organic compounds,  
Ions, Spectrographic analysis

The vibrational frequency assignment is given for  
acetamide in the gas phase, in solution and in the two  
(Chemistry--Physical, TT, v. 10, no. 3) (over)

63-10291

I. Kurzeligg, W.  
II. Mecke, R.  
III. Title: Structure...

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The Absorption of Alpha Particles in Filter Paper  
and in Membrane Ultrafilters, by z Zdeno Starcuk,  
Jaroslav Kutschendorfer, 7 pp.

CZECH, per, Jaderná Energie, Vol III, 1957,  
JIP 490-492.

ABC UCRL-Trans-507

Sect - Nucl Phys  
Apr 60

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A Study of the Coprecipitation of Germanium with  
the Hydroxides of Iron and Other Metals, by  
Kh. Ya. Kuus, 6 pp.

RUSSIAN, per Zhur Anal Khim, Vol XVI, No 2,  
1961, pp 166-170.

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An Outstanding Figure and Heroic Figher of the International Communist Movement, by Kuusinen.

RUSSIAN, np, Pravda, 19 Jun 1962.

FBIS Wire

USSR  
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5 Jul 62

My Enemy Stalin, by Aino Andreyevna Kuusinen,  
14 pp.  
ITALIAN, np, 1'Europeo.

J-959/66

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Jan 66

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FBIS Wire

USSR  
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18 May62

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FBID Daily Review

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Mar 61

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Kiusisto, 8 pp. (ID 97501) (SAC 072)  
Tielehti, No 4, p 1956, pp 12-18.  
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49, 871

Econ - Transportation

Jul 57

R&D

Today's Engineered Mines, by A. Kuvaldin, 5 pp.

Russia, np, Krasnaya Zvezda,

ACSI H-4983  
ID 2144836

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